

ABSTRACT

An amplitude information extraction apparatus capable of reducing an amplitude error with a smaller circuit scale than theoretical operation circuits. In 5 this apparatus, amplitude information extraction apparatus (110) acquires amplitude information (amplitude value Z') to be corrected from an I component and Q component of a transmission signal. Phase information extraction apparatus (111) acquires phase 10 information from an I component and Q component of the transmission signal. Amplitude information extraction apparatus (110) then acquires amplitude value Z by correcting the acquired amplitude information (amplitude value Z') based on the phase information acquired by phase 15 information extraction apparatus (111).